

## **Amendments to 2004 Standard Specifications Effective April 4, 2005**

Please Note: The following list is a brief overview of each revision. The actual amendment should be reviewed in depth to become completely knowledgeable of the revision. In addition, a more detailed history of these changes can be reviewed through the Construction Office's database at <http://wwwi.wsdot.wa.gov/eesc/cons/admin.cfm> under the heading Amendment and GSP Tracking.

### **DIVISION 1**

#### **Amendment to Section 1-07.23(1) Construction Under Traffic**

Requires 2 ft between temporary concrete barrier and drop-offs in order to be consistent with the Design Manual. The sixth paragraph, item 3.c. of this specification allowed temporary concrete barrier to be installed on the traffic side of the drop-off with 1 foot between the drop-off and the back of the barrier. This conflicted with the Design Manual Chapt. 710, which required 2 ft deflection distance behind temporary barrier.

#### **Amendment to Section 1-99 APWA Supplement**

Correctly references the rewritten Section 1-10 because the subsection numbering changed.

### **DIVISION 5**

#### **Amendment to Section 5-04.3(7)A – Mix Design**

Requires the contractor to use the standard form for mix design submittals.

#### **Amendment to Section 5-04.3(8)A Acceptance Sampling and Testing – HMA Mixture**

Deletes the requirement for Flat and Elongated particles. Recent study data suggests that the test methods for determining the percentage of Flat and Elongated particles is highly variable and suggests that the ratio and allowable percentage be changed. WSDOT will study this further before deciding whether to revise the test requirements, but has decided for now to remove them. (see also Amendment to Section 9-03.8(2))

### **DIVISION 6**

#### **Amendment to Section 6-02.2 Materials**

Adds a reference to the new subsection 9-23.11 - Microsilica Fume. Microsilica Fume was allowed in all concrete mix designs by the December 6 amendment, but did not include material requirements.

#### **Amendment to Section 6-02.3(4) Ready-Mix Concrete**

Makes the concrete supplier responsible for plant prequalification, and to delete the small quantity requirement. This change is made to move the department closer towards the

National Ready Mix Concrete Association requirements, and to make the plant qualification an end result spec.

**Amendment to Section 6-02.3(25)N Prestressing Concrete Girder Erection**

Deletes the language regarding curing grout pads prior to placing girders because this requirement is already contained in section 6-02.3(20). This revision also clarifies the requirement for checking girder alignment prior to casting bridge diaphragms.

**Amendment to Section 6-09.2 Materials**

Adds a reference to the new subsection 9-23.11 Microsilica Fume. Microsilica Fume was allowed in all concrete mix designs by the December 6 amendment, but did not include material requirements. This revision also removes testing requirements duplicated in Section 9-23.11. (see also Amendment to section 9-23.11)

**Amendment to Section 6-10.2 Materials**

Provides material specifications for drift pins and steel pins for type 3 anchors. These requirements were not previously specified.

**Amendment to Section 6-10.3 – Construction Requirements**

Requires concrete barrier transition Type 2 to F-shape be precast, and to delete reference to geosynthetic wall moment slabs. All requirements for geosynthetic walls are now included in Section 6-14.

**Amendment to Section 6-10.3(2) Cast-in-Place Concrete Barrier**

Includes traffic barrier, traffic pedestrian barrier and pedestrian barrier in the Standard Specifications and eliminates the GSP's associated with this work.

**Amendment to Section 6-10.4 Measurement**

Adds Traffic Barrier, Traffic Pedestrian Barrier, Pedestrian Barrier, and Conc. Barrier and eliminates the GSP's associated with this work. Also removes geosynthetic wall from this section, as geosynthetic walls are now included in Section 6-14.

**Amendment to Section 6-10.5 Payment**

Adds items for Traffic Barrier, Traffic Pedestrian Barrier, Pedestrian Barrier, and Conc. Barrier Transition Type 2 to Bridge F-Shape. Deletes items for Geosynthetic Wall Barriers.

**Amendment to Section 6-13.3(9) SEW Traffic Barrier and SEW Pedestrian Barrier**

Deletes the language that prohibits slip-forming barrier. Allowing slip forming may result in higher productivity without sacrificing quality.

**Amendment to Section 6-13.4 Measurement**

Adds a reference to Structure Excavation Class B and Shoring or Extra Excavation Class B according to Section 2-09.4. The lack of reference was incorrectly interpreted as meaning that Structure Excavation was included in the cost of the walls.

**Amendment to Section 6-13.5 Payment**

Adds items for Structure Excavation Class B, Structure Excavation Class B Incl. Haul, and Shoring or Extra Excavation Class B.

**Amendment to Section 6-14. 3(7) Geosynthetic Wall Traffic Barrier and Geosynthetic Retaining Wall Pedestrian Barrier**

Adds single slope and f-shape traffic barrier to be consistent with revisions to Standard Plans D-3b and D-3c. Deletes the language that prohibits slip-forming barrier. Allowing slip forming may result in higher productivity without sacrificing quality.

**Amendment to Section 6-14.4 Measurement**

Adds single slope and f-shape traffic barrier to be consistent with revisions to Standard Plans D-3b and D-3c. Adds a reference to Structure Excavation Class B and Shoring or Extra Excavation Class B according to Section 2-09.4. The lack of reference was incorrectly interpreted as meaning that Structure Excavation was included in the cost of the walls.

**Amendment to Section 6-14.5 Payment**

Revises the item for Geosynthetic Wall Single Slope Barrier and adds items for Geosynthetic Wall F-Shape Traffic Barrier, Structure Excavation Class B, Structure Excavation Class B Incl. Haul, and Shoring or Extra Excavation Class B.

**Amendment to Section 6-16.3(3) Shaft Excavation**

Allows up to 12 inches of loose or disturbed material in the bottom of the shaft excavation prior to concrete placement for soldier piles without permanent ground anchors. The additional loose or disturbed material is not harmful to the construction of the structure.

**DIVISION 8****Amendment to Section 8-08 Rumble Strips**

Adds centerline rumble strips.

**Amendment to Section 8-14 Cement Concrete Sidewalks**

Prohibits embossing or stamping wet concrete, or casting with catalyst-hardened material to achieve the truncated dome pattern. Embossed and stamped patterns were not durable. Revised painting and color references because the color formulas have changed. Cleans up unneeded language in the Measurement statement.

**Amendment to Section 8-22 Pavement Marking**

Revises Crosswalk Line and adds Access Parking Space Symbol with Background, Yield Line Symbol, Yield Ahead Symbol and Speed Bump Symbol in order to be consistent with updates to the Standard Plans. Adds requirements for paint application on roads with Centerline Rumble Strips.

## **DIVISION 9**

### **Amendment to Section 9-03.1(4)C Grading**

Revises acceptance tolerances of Portland cement concrete course aggregate to be more consistent with fine aggregates.

### **Amendment to Section 9-03.8(2) HMA Test Requirements**

Deletes the Flat and Elongated test requirements for aggregates. Study data suggests the testing requirements should be modified. The HQ Material Lab will collect data to support a future revision in the testing methods and allowable aggregates properties.

### **Amendment to Section 9-07.10 Prestressing Reinforcement Strand**

Reduces the sampling frequency and requires samples be sent to the Project Engineer rather than directly to the Material Lab. Allows the manufacturer to provide samples directly to the Engineer, and enables acceptance of the material prior to shipment to the jobsite.

### **Amendment to Section 9-07.11 Prestressing Reinforcement Bar**

Requires samples be sent to the Project Engineer rather than directly to the Materials Lab.

### **Amendment to Section 9-16.2(1)B Wood Fence Posts and Braces**

Deletes ACQ preservative treatment from the table of retention and penetration for wood fence posts and braces. Exposure to ACQ preservative is associated with accelerated corrosion of both aluminum and galvanized steel.

### **Amendment to Section 9-16.3(2) Posts and Blocks**

Deletes ACQ preservative treatment from the list of allowable treatments for wood guardrail posts and blocks. Exposure to ACQ preservative is associated with accelerated corrosion of both aluminum and galvanized steel.

### **Amendment to Section 9-23.11 Microsilica Fume**

Adds material requirements for Microsilica Fume. This additive is now allowed in all cement concrete mix designs.

### **Amendment to Section 9-29.6(2) Slip Base Hardware**

Revises an outdated ASTM material specification.

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